

Detailed Estimate

OD/364/3486/120035/431104/00098875 : Const of Community centre at Vallampalli Village
Block : Podia, Gram Panchayat : SimilibanCHA
Created By:AKASH LAKRA

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	cloumn	6.000	1.350	1.350	1.350	0.000	14.762	-
ii	wall	1.000	23.000	0.750	0.750	0.000	12.938	-
iii	step	1.000	2.000	1.200	0.300	0.000	0.720	-
iv	deduction	6.000	1.350	0.750	0.750	0.000	-	4.556
Total Quantity					23.8635 cum (cum)		23.8635 Cum (Cubic Meter)	
Amount					23.8635 X 240.77592		5745.76	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	6.000	1.350	1.350	0.150	0.000	1.640	-
ii	wall	1.000	23.000	0.750	0.150	0.000	2.588	-
iii	step	1.000	2.000	1.200	0.150	0.000	0.360	-
iv	deduction	6.000	1.350	0.750	0.150	0.000	-	0.911
v	hall	1.000	6.500	5.000	0.500	0.000	16.250	-
Total Quantity					19.9265 cum (cum)		19.9265 Cum (Cubic Meter)	
Amount					19.9265 X 581.258232		11582.44	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								

Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	23.000	0.600	0.600	0.000	8.280	-
Total Quantity					8.28 cum (cum)		8.28 Cum (Cubic Meter)	
Amount					8.28 X 5406.3695514		44764.74	

4. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column base	6.000	1.350	1.350	0.300	0.000	3.281	-
ii	column	6.000	0.230	0.230	0.900	0.000	0.286	-
iii	column	6.000	0.250	0.250	3.000	0.000	1.125	-
Total Quantity					4.69116 cum (cum)		4.69116 Cum (Cubic Meter)	
Amount					4.69116 X 5930.6343639645		27821.55	

5. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth beam	1.000	23.000	0.230	0.250	0.000	1.323	-
ii	roof beam	1.000	23.000	0.230	0.230	0.000	1.217	-
Total Quantity					2.5392 cum (cum)		2.5392 Cum (Cubic Meter)	
Amount					2.5392 X 6687.4564891062		16980.79	

6. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	1.000	23.000	0.230	0.200	0.000	1.058	-
Total Quantity					1.058 cum (cum)		1.058 Cum (Cubic Meter)	
Amount					1.058 X 12594.918592495		13325.42	

7. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	6.800	5.300	0.150	0.000	5.406	-
Total Quantity					5.406 cum (cum)		5.406 Cum (Cubic Meter)	
Amount					5.406 X 12232.518768355		66129.00	

8. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	rod	1.000	10.000	0.000	0.000	0.000	10.000	-
Total Quantity					10 Qntl (Quintal)		10 Qntl (Quintal)	
Amount					10 X 8417.5142856		84175.14	

9. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	23.000	0.230	1.750	0.000	9.258	-
ii	gd	1.000	2.500	0.230	0.750	0.000	-	0.431
iii	grils	2.000	6.500	0.230	1.350	0.000	-	4.037
iv	steps	1.000	2.000	1.200	0.500	0.000	1.200	-
Total Quantity					5.98975 cum (cum)		5.98975 Cum (Cubic Meter)	
Amount					5.98975 X 5001.44880712		29957.43	

10. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	4.000	6.500	0.000	1.750	0.000	45.500	-
ii		2.000	5.000	0.000	3.000	0.000	30.000	-
iii		2.000	2.500	0.000	0.750	0.000	3.750	-
Total Quantity					79.25 Sqm (Sqm)		79.25 Sqm (Square Meter)	
Amount					79.25 X 167.425686868		13268.49	

11. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	4.000	6.500	0.000	1.750	0.000	45.500	-
ii		2.000	5.000	0.000	3.000	0.000	30.000	-
iii		2.000	2.500	0.000	0.750	0.000	3.750	-

iv		2.000	5.000	0.000	1.500	0.000	15.000	-
v	steps	1.000	3.000	0.000	1.000	0.000	3.000	-
Total Quantity					97.25 Sqm (Sqm)		97.25 Sqm (Square Meter)	
Amount					97.25 X 241.19223998		23455.95	

12. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	gate	1.000	2.500	0.000	0.750	0.000	1.875	-
ii	grils	2.000	6.000	0.000	1.350	0.000	16.200	-
Total Quantity					18.075 Sqm (Sqm)		18.075 Sqm (Square Meter)	
Amount					18.075 X 66.11897407151		1195.10	

13. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	4.000	6.500	0.000	1.750	0.000	45.500	-
ii		2.000	5.000	0.000	3.000	0.000	30.000	-
iii		2.000	2.500	0.000	0.750	0.000	3.750	-
iv		2.000	5.000	0.000	1.500	0.000	15.000	-
v	step	2.000	3.000	0.000	1.000	0.000	6.000	-
Total Quantity					100.25 Sqm (Sqm)		100.25 Sqm (Square Meter)	
Amount					100.25 X 94.76013415		9499.70	

14. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	4.000	6.500	0.000	1.750	0.000	45.500	-
ii		2.000	5.000	0.000	3.000	0.000	30.000	-
iii		2.000	2.500	0.000	0.750	0.000	3.750	-
iv		2.000	5.000	0.000	1.500	0.000	15.000	-
v	steps	2.000	3.000	0.000	1.000	0.000	6.000	-
Total Quantity							100.25 Sqm (Sqm)	100.25 Sqm (Square Meter)
Amount							100.25 X 68.99284786751	6916.53

15. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	gril gate	1.000	2.500	0.000	0.750	0.000	1.875	-
ii	grils	2.000	6.000	0.000	1.350	0.000	16.200	-
Total Quantity							18.075 Sqm (Sqm)	18.075 Sqm (Square Meter)
Amount							18.075 X 164.23523221452	2968.55

16. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.

Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	GGate	1.000	2.500	0.000	0.750	0.000	1.875	-
ii	grils	2.000	6.000	0.000	1.350	0.000	16.200	-
Total Quantity							18.075 Sqm (Sqm)	18.075 Sqm (Square Meter)

Amount						18.075 X 16.22	293.18	
17. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)								
Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	2.000	6.500	0.000	0.900	0.000	11.700	-
ii		2.000	5.000	0.000	0.900	0.000	9.000	-
iii		1.000	3.000	0.000	0.900	0.000	2.700	-
iv	step	3.000	2.000	0.000	0.300	0.000	1.800	-
Total Quantity						25.2 Sqm (Sqm)		25.2 Sqm (Square Meter)
Amount						25.2 X 1523.322576851		38387.73
18. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor								
Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	1.000	6.500	0.000	5.000	0.000	32.500	-
ii		3.000	2.000	0.000	0.300	0.000	1.800	-
Total Quantity						34.3 Sqm (Sqm)		34.3 Sqm (Square Meter)
Amount						34.3 X 1183.867359303		40606.65
19. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips								
2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof slab	1.000	6.800	0.000	5.300	0.000	36.040	-

Total Quantity	36.04 Sqm (Sqm)	36.04 Sqm (Square Meter)
Amount	36.04 X 347.163473918	12511.77

Total Amount (A) : 449585.92

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for EI Work @ Rs.0	-	0
2	Provision for Contingency @ 1%	-	4495.8592082245
3	Display Citizen Board @ Rs.5000	-	5000
4	Any Other Lumpsum @ Rs.64918.21	others	64918.21
5	Provision for survey investigation and quality control @ Rs.15000	-	15000
Additional Components Amount (F) : 89414.069208225			

Grand Total Amount (A + F) : 538999.99003067

AKASH LAKRA
JE
Podia Block

BISHNU PRASAD MAHAPATRA
AEE
Podia Block

MalkangiriPodiaBDO
BDO
Podia Block